# GOVERNMENT OF INDIA
# SPACE
# LOK SABHA

UNSTARRED QUESTION NO:2817
ANSWERED ON:19.03.2008
RESEARCH ON HYDROGEN POWERED CARS
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**Will the Minister of SPACE be pleased to state:**

(a) whether the Indian Space Research Organisation (ISRO) has entered into any agreement with Tata Motors for developing hydrogen fuel cells for cars using cryogenic technology;

(b) if so, the details thereof;

(c) the benefits that are likely to accrue to ISRO as a result thereof; and

(d) the time by which the car is likely to be produced?

## Answer

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN):

(a) ISRO has entered into an agreement with TATA MOTORS for providing technology for development of fuel cell bus using gaseous hydrogen.

(b) ISRO's responsibility is to design and develop high-pressure storage, flow control and dispensing system for hydrogen fuel. ISRO will also assist in development of vehicle control system & implementation of safety systems.

(c) ISRO has got a planned programme of making available high technology developed for space to industrial/commercial use. This project is one example where indigenously developed cryogenic technology is used for realizing an eco friendly motor vehicle.

(d) Demonstration of fuel cell bus on the road is planned by the end of 2009.